(Filed after payment of issue fee)

07/26/06

PATENT APPLICATION DOCKET NO.: 3022.1004-000

	IN	THE UNITED S	SIAIES PAIENI A	ND TRADEMARK O	FFICE	
Applic	ants:	Joerg Schneide	er, Sarah C. Gilbert, C	Carolyn M. Hannan and	l Adrian V.S. Hill	
Applic	ation No.:	10/088,677	Oi o E HOT	Group Art Unit:	1645	
371(c)	Date:	May 31, 2002	JUL 3 1 2006 (L)	Examiner:	Robert A. Zema	ın
Confir	mation No.:	4825	TRADEMARK OF			
Title:				NT ADENOVIRAL V SE TO ANTIGEN	ECTOR TO BOO	ST
		I hereby certify Postal Service wit to Commissioner being facsimile tr	th sufficient postage as First Clar for Patents, P.O. Box 1450, Al- ansmitted to the United States P	deposited with the United States as Mail in an envelope addressed exandria, VA 22313-1450, or is latent and Trademark Office on:		
Commi	SECC top Amendment issioner for Pate ox 1450 dria, VA 22313	nts	ENTAL INFORMATIC	<u>ON DISCLOSURE STAT</u>	<u>EMENT</u>	
Sir:						
This In	under 37 CFR	closure Statemer 1.129(a), or ssion after Final Rejection				
[]	stage in an internation	he following time period	re the mailing date of a first off	nal application (other than a CPA) fice action on the merits in a non-p		
[X]		1.97(c) togethe				ş
			CFR 1.97(e), as check	ked below, or		229
			7 CFR 1.17(p), or pefore final action or notice of a	allowance, whichever occurs first)		i2 10088
[]	under 37 CFR	1.97(d) togethe	er with:			70000
	[] a State	ement under 37	CFR 1.97(e), as chec	ked below, and		<u>74</u>
			7 CFR 1.17(p), or ce, whichever occurs first, but c	on or before payment of the issue for	ee)	S WABDEL
[]	under 37 CFR Applicant rec	. 1.97(i): Juests that the II	OS and cited reference	e(s) be placed in the ap	plication file.	8/01/2006 WABDELR1 00000042 10088677

Statem	ent Und	<u>ler 3/C</u>	<u>(FR 1.97(e)</u>				
[]	any co	mmunio	information contained in this Information Disclosure Statement was first cited in cation from a foreign patent office in a counterpart foreign application not more on the filing of this Information Disclosure Statement; or				
[]	No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.						
Statem	ent Und	<u>der 37 C</u>	(Patent Term Adjustment) Applies to original applications (other than design) filed on or after May 29, 2000				
[]	commitwes no	unicatio t receiv	information contained in the Information Disclosure Statement was cited in a in from a foreign patent office in a counterpart application and this communication red by any individual designated in § 1.56(c) more than thirty days prior to the information Disclosure Statement.				
[X]	Enclos	ed here	with is form PTO-1449:				
	[X]	Copies	s of the cited references are enclosed.				
		[X]	Copies of issued U.S. patents and published U.S. applications are not required and are not being provided.				
	[]	Applic	s of the cited references are enclosed except those entered in prior application, U.S. eation No. [], to which priority under 35 U.S.C. 120 is claimed. [The earlier ation contains copies of the cited references.]				
	[]	The list	sted references were cited in the enclosed International Search Report in a repart foreign application.				
	[X]	The "cunder	oncise explanation" requirement (non-English references) for reference [C30] 37 CFR 1.98(a)(3) is satisfied by:				
		[]	the explanation provided on the attached sheet.				
		[]	the explanation provided in the Specification.				
		[]	submission of the enclosed International Search Report.				
		[]	submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.				
		[X]	the enclosed English language abstract.				

[X]	Applic	Applicant requests that the following non-published pending applications be considered: (Affix a label or apply the stamp "Non-Published IDS Reference - Do Not Scan" to the front of each unpublished pending appl'n.)				
Examiner's Initials						
		U.S. Patent Application No. 60/148,981, by Ling Chen, John Shiver, Andrew Bett, Danilo Riguera Casimiro, Michael J. Caulfield, Michael A. Chastain and Emilio A. Emini, filed August 13, 1999.				
		U.S. Patent Application No. 60/150,728, by Michael P. Neeper, William L. McClements, Kathrin U. Jansen, Loren D. Schultz, Ling Chen and Xin-Min Wang, filed August 25, 1999.				
		U.S. Patent Application No. 60/680,838, by Andrew McMichael, Adrian V.S. Hill, Sarah C. Gilbert, Joerg Schneider, Magdalena Plebanski, Thomas Hanke, Geoffrey L. Smith, Tom Blanchard, an Martin Cripps, filed May 13, 2005, Docket No.: 3022.1002-000.				
		U.S. Patent Application No. 60/683,877, by Adrian V.S. Hill, Sarah C. Gilbert, Joerg Schneider, and Geoffrey L. Smith, filed May 23, 2005, Docket No.: 3022.1003-000.				
		U.S. Patent Application No. 60/782,710, by Joerg Schneider, Jamie Chorlton, Gill Pearce, Nicola Jones and Dean Brown, filed March 15, 2006, Docket No.: 3022.1003-001.				
		Examiner Date				
	[X]	A copy of each above-cited application, including the current claims, is enclosed, except any application filed on or after June 30, 2003, which has been scanned into the PTO's Image File Wrapper (IFW) system and is available to the examiner.				
	[]	A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed.				
The Ex	xaminer	r is requested to return a copy of the above list of pending applications indicating which re considered with the next office communication.				
It is re	quested	that the information disclosed herein be made of record in this application.				
Metho	d of pay	yment:				
[X]	A checaccom	ck for the fee noted above is enclosed, or the fee has been included in the check with the panying Reply. A copy of this Statement is enclosed.				
[]		Please charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement is enclosed.				
[X]	Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.					
		Respectfully submitted,				
		HAMILTON, BROOK, SMITH & REYNOLDS, P.C.				
		By Collins				

Anne J. Collins Registration No.: 40,564 Telephone: (978) 341-0036 Facsimile: (978) 341-0136

Concord, MA 01742-9133 Dated: July 26, 2006

PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. 3022.1004-000		APPLICATION NO. 10/088,677		
SECOND SUPPLEMENTAL INFORMATION OF STATEMENT IN AN APPLICATION			FILING DATE May 31, 20	FILING DATE May 31, 2002	
JUL 3 1 2006 July 25, 2006 JUL 3 1 2006 July 25, 2006	EXAMINER Robert A. Zeman	CONFI 4825	RMATION NO.	GROUP 1645	

TANK THE PROPERTY OF THE PARTY		<u>\$</u> /				
U.S. PATENT DOCUMENTS						
EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT		
	Al	5,846,546	12-08-1998	Hurwitz, et al.		
	A2	6,663,871	12-16-2003	McMichael, et al.		
	А3	2003/0138454 A1	07-24-2003	Hill, et al.		
	A4	2004/0131594 A1	07-08-2004	McMichael, et al.		
	A5	2004 0175365 A1	09-09-2004	McMichael, et al.		
	A6	2004 0191272 A1	09-30-2004	McMichael, et al.		
	A7	2004/0213799 A1	10-28-2004	McMichael, et al.		
	A8	2004 0197349 A1	10-07-2004	McMichael, et al.		
	A9	2005/0025747 A1	02-03-2005	Laidlaw, et al.		
	A10	2005/0175627 A1	08-11-2005	Schneider		
		,				

EXAMINER	DATE CONSIDERED

PTO-1449 REPRODUCED	111101010121201211101		PPLICATION NO. 0/088,677		
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION	The Trumber in Entroit		FILING DATE May 31, 20		
July 25, 2006 Use several sheets if necessary)	EXAMINER Robert A. Zeman	CONF 4825	IRMATION NO.	GROUP 1645	

	1 2006 y					_
FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSL YES	ATION NO
	B1	EP 0 638 316 A1	07-29-1994	American Home Products Corporation		_
	B2	WO 97/39771 A1	10-30-1997	The Government of the United States of America		
	В3	WO 98/56919 A2	12-17-1998	Isis Innovation Limited		
	В4	WO 01/02607 A1	01-11-2001	Merck & Co., Inc.		
	В5	WO 01/14416 A2	03-01-2001	Merck & Co., Inc.		
		·				
	<u> </u>					

EXAMINER	DATE, CONSIDERED
	•

PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. APPLICATION NO. 10/088,677			
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION	FIRST NAMED INVENTOR Joerg Schneider		FILING DATE May 31, 2002	
July 25, 2006 JUL 3 1 2006 Wes several sheets if necessary)	EXAMINER Robert A. Zeman	CONFI 4825	IRMATION NO.	GROUP 1645

TRADEMARK	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
СІ	Anderson, et al., "Enhanced CD8 T Cell Response and Protective Efficacy Against Malaria Using Recombinant Fowlpox Virus In Heterologous Prime/Boost Immunisation Regimes," Abstract, Immunology 101(Supplement 1):32 (2000).
C2	Berkner, K.L., "Development of Adenovirus Vectors For The Expression of Heterologous Genes," <i>BioTechniques</i> , 6(7): 616-629, (1988).
С3	Buge, S.L., et al., "Factors Associated With Slow Disease Progression in Macaques Immunized With an Adenovirus-Simian Immunodeficiency Virus (SIV) Envelope Priming-gp120 Boosting Regimen and Challenged Vaginally With SIVmac251," <i>Journal of Virology</i> , 73(9):7430-7440, (1999).
C4	Chamberlain, R.S., Poster Presentation presented at the Meeting of the American Association of Cancer Research, April 20 th through April 24 th , 1996.
C5	Chamberlain, R.S., et al., "Use of Multiple Vaccination Vectors for the Generation of CTL Against a Model Tumor Antigen," Proceedings of the Annual Meeting of the American Association for Cancer Research (Washington, April 20-24, 1996, 37, Abstract No. 3263).
C6	E-mail from American Society for Microbiology re: Date of Disclosure of Buge's Document.
C7	Hanke, T., et al., "Enhancement of MHC Class I-Restricted Peptide-Specific T Cell Induction by a DNA Prime/MVA Boost Vaccination Regime," Vaccine, 16(5):439-445, (1998).
C8	Hodge, J.W., et al., "Diversified Prime and Boost Protocols Using Recombinant Vaccinia Virus and Recombinant Non-Replicating Avian Pox Virus to Enhance T-Cell Immunity and Antitumor Responses," Vaccine 15(6/7):759-768 (April/May 1997).
С9	Irvine, K.R., et al., "Enhancing Efficacy of Recombinant Anticancer Vaccines With Prime/Boost Regimens That Use Two Different Vectors," Journal of the National Cancer Institute, 89(21):1595-1601, (1997).
C10	Kent, S. J., et al., "Enhanced T-Cell Immunogenicity and Protective Efficacy of a Human Immunodeficiency Virus Type 1 Vaccine Regimen Consisting of Consecutive Priming with DNA and Boosting with Recombinant Fowlpox Virus," J. Virol. 72(12):10180-10188 (1998).
C11	Li, Shengqiang, et al., "Priming With Recombinant Influenza Virus Followed By Administration of Recombinant Vaccinia Virus Induces CD8 ⁺ T-Cell-Mediated Protective Immunity against Malaria," Proc. Natl. Acad. Sci. USA 90(11):5214-5218 (June 1993).

EXAMINER	DATE CONSIDERED
BARTINGK	
11	

PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. 3022.1004-000	APPLICATION NO. 10/088,677		
SECOND SUPPLEMENTAL INFORMATION DISCRESSIVE STATEMENT IN AN APPLICATION	FIRST NAMED INVENTOR Joerg Schneider FILING DATE May 31, 20		02	
July 25, 2006 JUL 3 1 2006 (Use several sheets if necessary)	EXAMINER Robert A. Zeman	CONFIRMATION NO. 4825		GROUP 1645

12		.8/
a T	PADEMAP	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	C12	McShane, H., et al., "Enhanced Immunogenicity of CD4 ⁺ T-Cell Responses and Protective Efficacy of a DNA-Modified Vaccinia Virus Ankara Prime-Boost Vaccination Regimen for Murine Tuberculosis," <i>Infect. Imm.</i> 69(2):681-686 (2001).
	C13	Notice of Opposition to a European Patent. Patent No.: EP 1214416B1. Opponent: Merck & Co., Inc.
	C14	Notice of Opposition to a European Patent. Patent No.: EP 1214416B1. Opponent: Crucell Holland B.V.
	C15	Notice of Opposition to a European Patent. Patent No.: EP 1214416. Opponent: Transgene S.A. (English translation attached)
	C16	Plebanski, M., et al., "Protection From Plasmodium berghei Infection By Priming and Boosting T Cells to a Single Class I-Restricted Epitope with Recombinant Carriers Suitable for Human Use," Eur. J. Immunol., 28(12):4345-4355 (1998).
	C17	Reece, WHH, et al., "A DNA/MVA Prime-Boost Vaccination Regime Induces Strong Immune Responses and Partial Protection Agains Plasmodium falciparum in Humans," Poster at the British Society for Immunology (December 2001).
,	C18	Richmond, J.F.L., et al., "Screening of HIV-1 Env Glycoproteins for the Ability to Raise Neutralizing Antibody Using DNA Immunization and Recombinant Vaccinia Virus Boosting," Virology 230:265-274 (1997).
	C19	Robert-Guroff, M., et al., "Vaccine Protection Against a Heterologous, Non-Syncytium-Inducing, Primary Human Immunodeficiency Virus," <i>Journal of Virology</i> , 72(12):10275-10280, (1998).
	C20	Robinson, H. L., et al., "Neutralizing Antibody-independent Containment of Immunodeficiency Virus Challenges by DNA Priming and Recombinant Pox Virus Booster Immunizations," <i>Nature Medicine</i> 5(5):526-534 (1999).
	C21	Rodrigues, E.G., et al., "Efficient Induction of Protective Anti-Malaria Immunity By Recombinant Adenovirus," <i>Vaccine</i> , 16(19):1812-1817, (1998).
	C22	Rodrigues, E.G., et al., "Single Immunizing Dose of Recombinant Adenovirus Efficiently Induces CD8 ⁺ T Cell-Mediated Protective Immunity Against Malaria," <i>The Journal of Immunology, 158</i> :1268-1274, (1997).

EXAMINER	DATE CONSIDERED

PTO-1449 REPRODUCED	ATTORNEY DOCKET NO. 3022.1004-000		APPLICATION NO. 10/088,677		
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION	FIRST NAMED INVENTOR Joerg Schneider		FILING DATE May 31, 2002		
July 25, 2006 (Use several sheets if necessary)	EXAMINER Robert A. Zeman		RMATION NO.	GROUP 1645	
JUI 3 1 7006	Robert A. Zeman	4825		164	

JUL 3 1	
Tag.	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
TRADEM C23	Schneider, J., et al., "Induction of CD8 ⁺ T Cells Using Heterologous Prime-Boost Immunisation Strategies," <i>Immunology Reviews</i> , 170:29-38, (1999).
C24	Schneider, J., et al., "A Prime-Boost Immunisation Regimen Using DNA Followed By Recombinant Modified Vaccinia Virus Ankara Induces Strong Cellular Immune Responses Against the <i>Plasmodium falciparum</i> TRAP Antigen In Chimpanzees," <i>Vaccine</i> , 19(32):4595-4602 (2001).
C25	Shah, K.V. and Howley, P.M., "Papillomaviruses," Fields Virology, Third Edition, Chapter 66, pp. 2077-2109, (1996).
C26	The Chamberlain Declaration cited in the opposition proceedings of European Patent Application No. EP0979284.
C27	The Gritz Declaration cited in the opposition proceedings of European Patent Application No. EP0979284.
C28	The Schlom Declaration cited in the opposition proceedings of European Patent Application No. EP0979284.
C29	Timofeev, A.V., et al., "Immunological Basis For Protection In A Murine Model of Tick-Borne Encephalitis By a Recombinant Adenovirus Carrying the Gene Encoding the NS1 Non-Structural Protein," Journal of General Virology, 79:689-695, (1998).
C30	Timofeyev, A.V., et al., "Recombinant Adenovirus Expressing The NS1 Nonstructural Protein of Tick-Borne Encephalitis Virus: Characteristics of Immunological Basis of Antiviral Effect," Vopr. Virusol. 42:219-222, (1997).
C31	Xiang, Z.Q., et al., "Induction of Genital Immunity by DNA Priming and Intranasal Booster Immunization With a Replication-Defective Adenoviral Recombinant," <i>The Journal of Immunology</i> , 162: 6716-6723, (1999).

- TANATANAN	DATE CONSIDERED
EXAMINER	BATE CONSTRUCT
ll .	1